



Service Manual

C-3201

Asepsis Design Cuspidor, Vacuum
Accessory Group and Water QD.
(used with 144-057 side box only)

Installation

1. Place the shipping carton in the desired location. Remove the cuspidor from the shipping carton.
2. Run umbilical through cuspidor hole in top of side box. Place cuspidor drain shaft into hole.
3. Place the bowl, cup filler and bowl rinse spouts in their appropriate locations.
4. Connect the supply and vacuum tubings and gravity drain to the appropriate connections.
5. Connect the low voltage wiring for the vacuum switch to the electrical source.

Final Adjustments

Test the bowl rinse.
Test the cup filler.
Check for proper drain.
Test HVE and Saliva Ejector valve for proper function.
Adjust bowl rinse timer, if desired.

C-3201

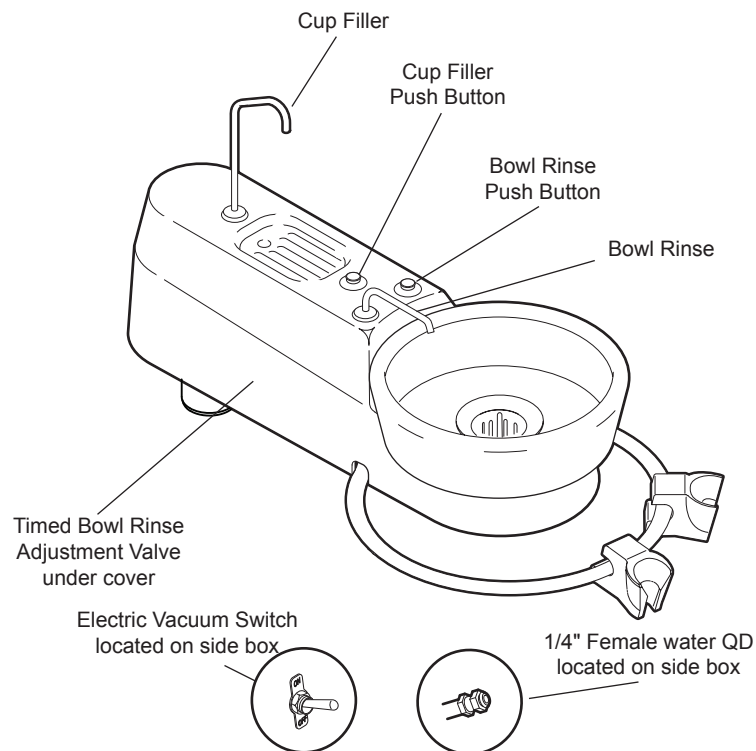
- Operation**
1. The cup filler is activated by pushing the cup filler button. The cycle stops automatically.
 2. The timed bowl rinse is activated by pushing the rinse button. The timing for the rinse cycle may be adjusted with the flow control valve located under the cuspidor housing. To adjust the rinse cycle:
 - a. Turn adjustment knob *counter-clockwise* to decrease the rinse cycle time.
 - b. Turn adjustment knob *clockwise* to increase the rinse cycle time.



NOTE

The bowl rinse timer is set at the factory for 15 seconds. This adjustment is very sensitive, only 1/8 of a turn will increase or decrease the time significantly.

3. Flip the electric switch to activate the vacuum for the HVE and Saliva Ejector valve.



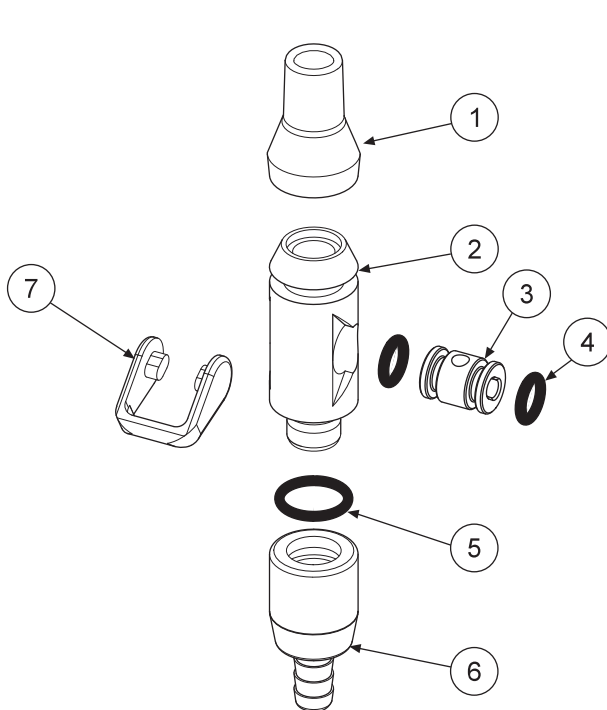
Controls for Cuspidors

Autoclavable HVE & S/E Valves

Maintenance Autoclavable vacuum valves may be autoclaved by steam autoclave or chemical vapor. Due to the tight clearances and hardness of the anodized surfaces, the valve spool can become jammed or seized in the valve if it is sterilized while contaminated with debris.

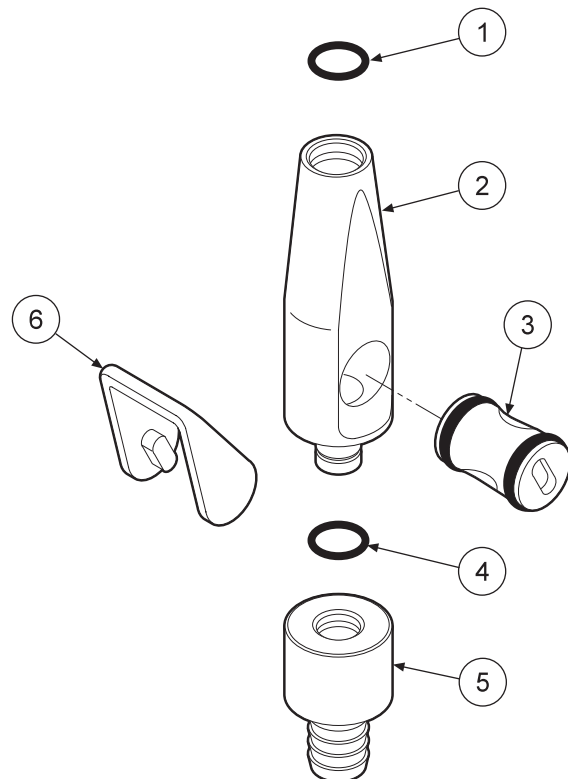
Valves can be quickly disassembled for cleaning.

1. Pry one side of the lever and flip it off of the valve. For saliva ejector valves, remove the tip also.
2. Push out the valve spool and clean all the disassembled parts in an ultrasonic cleaner daily. *Rinse thoroughly before putting into autoclave.*
3. Lubricate the O-Rings on the spool with a silicone based lubricant before reassembly.



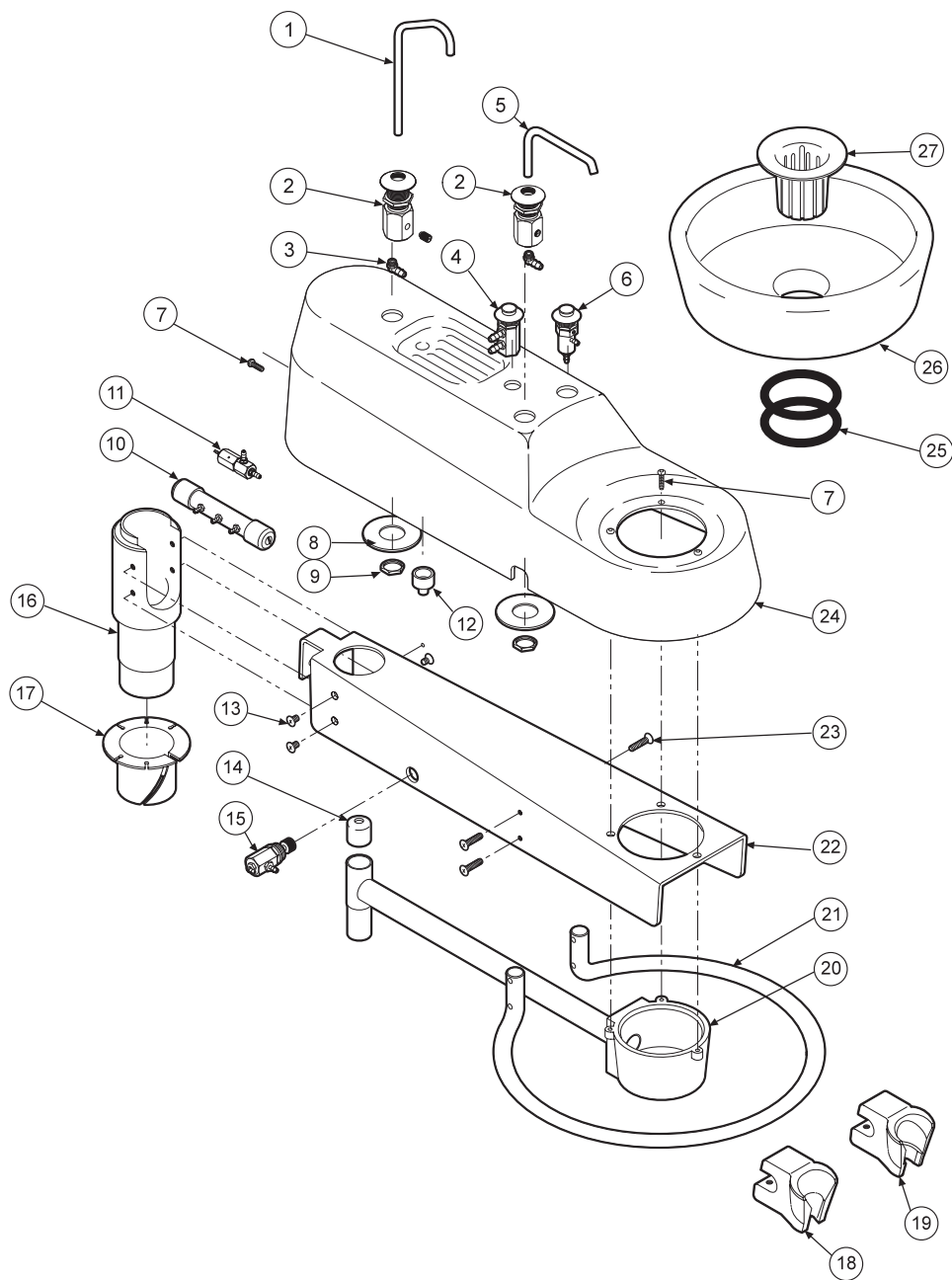
ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	Tip.....	112-174	1
2	Body.....	112-276	1
3	Spool.....	112-278	1
4	O-Ring #10.....	017-110	2
5	O-Ring, #12.....	017-012	1
6	Swivel.....	112-177	1
7	Lever.....	112-181	1

AUTOCLAVABLE S/E LEVER VALVE
112-280

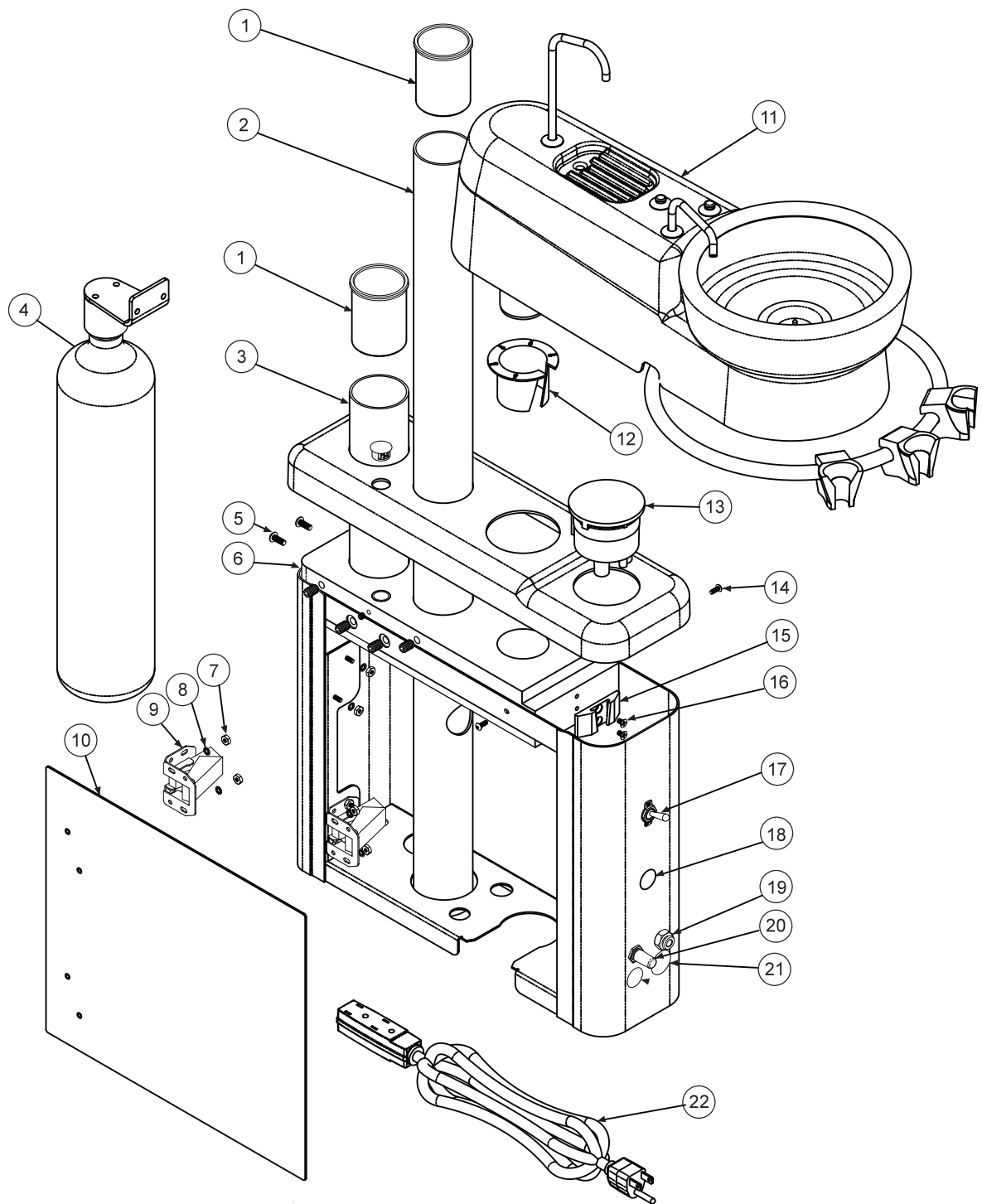


ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	O-Ring, #13.....	017-113	3
2	Body.....	112-266	1
3	Spool.....	112-268	1
4	O-Ring #13.....	017-113	1
5	Swivel.....	112-170	1
6	Lever.....	112-169	1

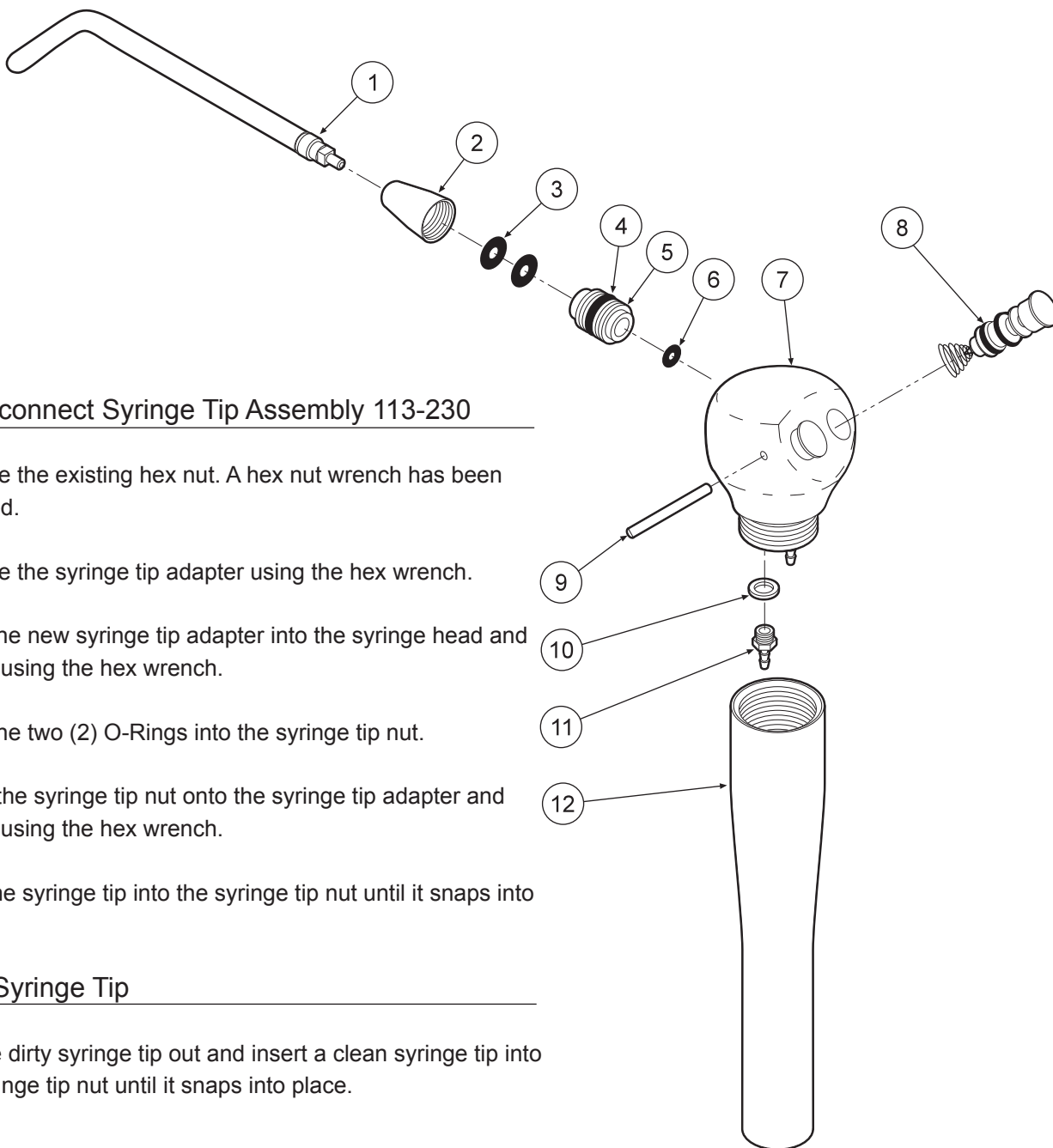
AUTOCLAVABLE STANDARD HVE VALVE
112-262



ITEM	PART DESCRIPTION	PART NUMBER	QTY	ITEM	PART DESCRIPTION	PART NUMBER	QTY	ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	Cup Fill Spout.....	132-068	1	11	Signal Valve.....	132-035	1	21	Holder Bar.....	132-111	1
2	Body, Cuspidor Spouts, Nickel.....	132-065	2	12	Cup Holder Drain Barb.....	132-047	1	22	Cuspidor Frame.....	132-102	1
3	Plastic Elbow, 1/8".....	022-038	2	13	Screw, 10-32 x 1/4".....	001-087	4	23	Screw, 10-32 x 3/4".....	001-034	4
4	Water Valve, Push Button.....	132-018	1	14	Plug, .652-1/2".....	010-046	1	24	Cover.....	132-101	1
5	Bowl Rinse Spout.....	132-067	1	15	Bleed Valve.....	132-122	1	25	O-Ring, Ceramic Bowl.....	017-150	2
6	Air Valve, Push Button.....	132-020	1	16	Drain Shaft.....	132-103	1	26	Bowl, Ceramic.....	132-110	2
7	Screw, 6-32 x 5/8".....	001-159	4	17	Bushing.....	013-017	1	27	Strainer.....	132-008	1
8	Flat Washer 5/8" x 1".....	003-001	2	18	Universal Handpiece Holder.....	141-023	1				
9	Hex Nut, 5/8"-24.....	002-518	2	19	Vacuum Handpiece Holder.....	141-037	1				
10	Air Reservoir.....	132-044	1	20	Drain Assembly.....	132-041	1				



ITEM	PART DESCRIPTION	PART NUMBER	QTY	ITEM	PART DESCRIPTION	PART NUMBER	QTY	ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	Adapter, Pelton Crane.....	146-208	2	9	Hinge	107-083	2	17	On/Off Electric Toggle Valve.	016-020	1
2	40\" Side Box Post	146-204	1	10	Door, Side Box.....	144-062	1	18	Plug, .1/2\".....	010-013	3
3	Riser Post.....	144-064	1	11	Cuspidor.....	C-3201	1	19	1/4\" Panel Mount QD.	024-003	1
4	Bottle System (Optional).....	144-054	1	12	Nyliner Bushing.....	013-014	1	20	Needle Flow Valve	121-000	1
5	Screw, 10-32 x 1/2\"	001-057	2	13	Vacuum Cannister.....	131-021	1	21	Plug, 3/4\".....	010-005	1
6	Aluminum Block	144-063	1	14	Screw, 6-32 x 3/8\".....	001-041	2	22	Power Cord, 6'	016-035	1
7	Hex Nut 6-32, 1/4\".....	002-026	8	15	CV Cannister Mounting Bracket.	131-038	1				
8	Lock Washer #6.....	003-012	8	16	Screw, 8-32 x 1/4\".....	001-003	2				



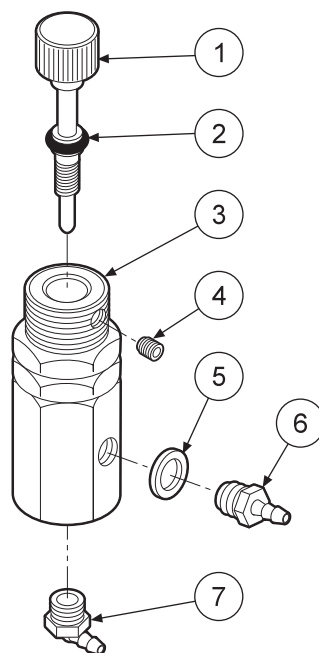
Quick-disconnect Syringe Tip Assembly 113-230

1. Remove the existing hex nut. A hex nut wrench has been provided.
2. Remove the syringe tip adapter using the hex wrench.
3. Insert the new syringe tip adapter into the syringe head and tighten using the hex wrench.
4. Place the two (2) O-Rings into the syringe tip nut.
5. Screw the syringe tip nut onto the syringe tip adapter and tighten using the hex wrench.
6. Push the syringe tip into the syringe tip nut until it snaps into place.

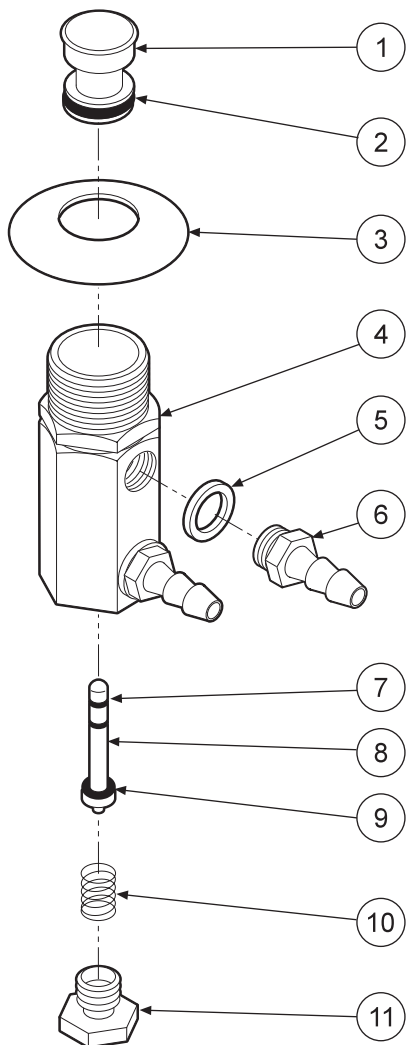
Replace Syringe Tip

1. Pull the dirty syringe tip out and insert a clean syringe tip into the syringe tip nut until it snaps into place.

ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	Syringe Tip	113-030	1
2	Syringe Tip Nut.....	113-402	1
3	O-Ring, 006	017-006	2
4	O-Ring, 228-040	017-023	1
5	Syringe Tip Adapter.....	113-227	1
6	O-Ring, 003	017-003	1
7	Syringe Head.....	113-405	1
8	Syringe Button Repair Kit	113-403	2
9	Pin, Syringe Cartridge	113-008	1
10	Plastic Washer, 8-32.....	003-030	2
11	Barb, 8-32 x 1/16"	022-040	2
12	Syringe Handle.....	113-236	1



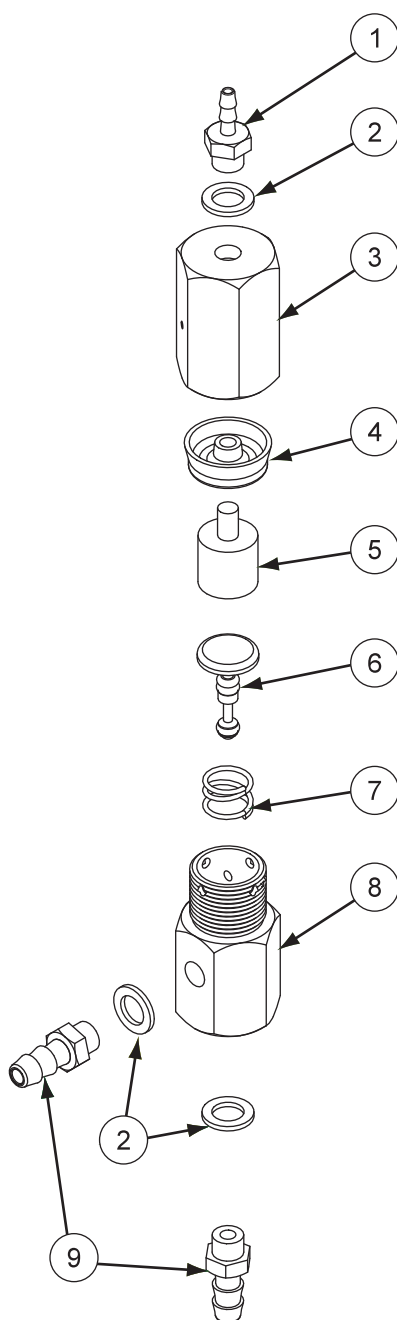
ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	Stem.....	132-124	1
2	O-Ring, 003.....	017-003	1
3	Body.....	132-123	1
4	Set Screw, 4-40 x 1/8"	005-030	1
5	Plastic Waher, 1/4"	003-001	1
6	Barb,m 10-32 x 1/16"	022-009	1
7	Plastic Elbow, 10-32 x 1/16"	022-039	1



ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	Syringe Button.....	113-401	1
2	O-Ring, 007.....	017-007	1
3	Dress Nut.....	002-517	1
4	Body.....	132-028	1
5	Plastic Washer, 1/4".....	003-001	2
6	Barb, 10-32 x 1/8".....	022-010	2
7	O-Ring, 001.....	017-501	2
8	Stem.....	132-021	1
9	O-Ring, 002.....	017-502	1
10	Spring.....	008-023	1
11	Plug.....	020-026	1

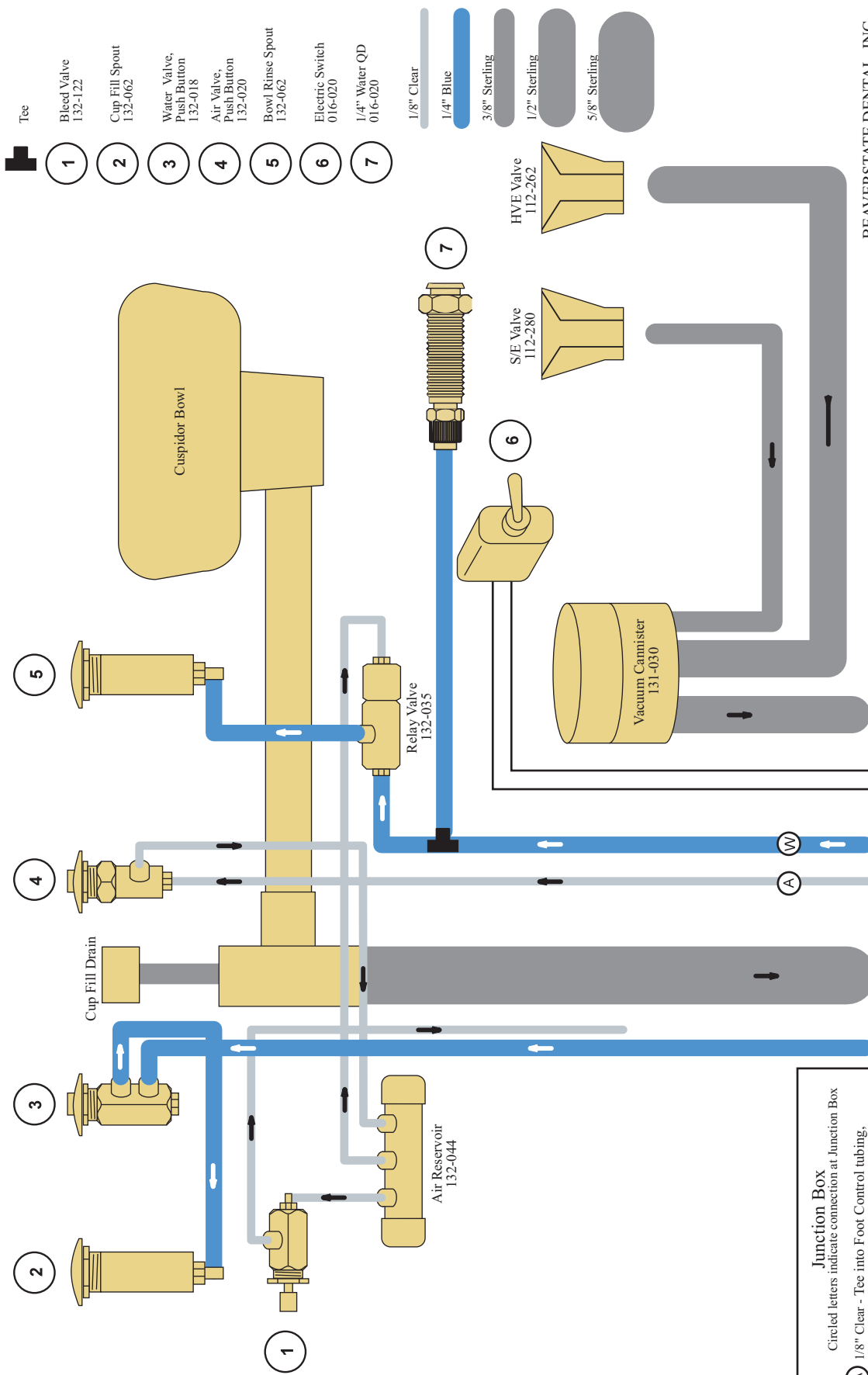
PUSH BUTTON VALVE, WATER (CUSPIDOR)
132-018

PUSH BUTTON VALVE, AIR (CUSPIDOR)
132-020



ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	Hex Barb, 10-32 x 1/16"	022-009	1
2	Plastic Washer, 1/4"	003-001	3
3	Valve, Air Pilot	014-002	1
4	Cup Seal	017-203	1
5	Piston, Air Pilot.....	014-008	1
6	Stem, 2-Way Toggle Valve.....	120-013	1
7	Spring, Toggle Valve.....	008-002	1
8	Body, Toggle Valve.....	120-010	1
9	Hex Barb, 10-32 x 1/8"	022-010	2

Asepsis Cuspidor C-3201



Junction Box

Circled letters indicate connection at Junction Box

(A) 1/8" Clear - Tee into Foot Control tubing, ribbed.

(W) 1/4" Blue - Connect each to 1/4" barb on Water Master Valve (may require inserting an additional barb).

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